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07/06/00
JC845 U.S. PTO

Attorney Docket No. IBN.5203

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

JC857 U.S. PTO
09/610278
07/06/00

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Ross W. Callon, *et al.*

For (title): APPARATUS AND METHOD FOR
EFFICIENT HASHING IN
NETWORKS

1. **Type of Application** This new application is for
a(n)

☒ Original (nonprovisional)

☐ Design

☐ Plant

☐ Divisional.

☐ Continuation.

☐ Continuation-in-part (C-I-P).

2. **Papers Enclosed**

11 Pages of specification

5 Pages of claims

1 Page of Abstract

2 Sheets of drawings

☐ formal

☒ informal

1 Page of Cover Sheet

☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).

CERTIFICATE OF MAILING

37 C.F.R. § 1.10

"Express Mail" Mailing Label Number EL584588998US

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.

Date: 7/6/00

Vanessa Marakas
Vanessa Marakas

Vanessa Marakas
Print Name

09610278-070600

009020" 8/20/96

3. Additional papers enclosed

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement (37 C.F.R. 1.98)
- ☐ Form PTO-1449 (PTO/SB/08A and 08B)
- ☐ Copies of cited references
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☒ Other: Return Postcard.

4. Declaration or oath

- ☒ Enclosed
 - ☒ Unexecuted
 - ☐ Executed by
 - ☐ inventors
 - ☐ legal representative of inventor(s).
37 CFR 1.42 or 1.43.
 - ☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
 - ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee.
- ☐ Not Enclosed
- ☐ Application is made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named inventor(s).
 - ☐ Showing that the filing is authorized.

5. Assignment

- ☒ An assignment of the invention to IronBridge Networks, Inc.
 - ☐ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☒ FORM PTO 1595 is also attached.
 - ☒ will follow.

6. **Certified Copy**

Certified copy(ies) of application(s)

Country	Appln. no.	Filed
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Country	Appln. no.	Filed
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Country	Appln. no.	Filed
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from which priority is claimed

☐ is (are) attached.

☐ will follow.

7. **Fee Calculation (37 C.F.R. 1.16)**

CLAIMS AS FILED

Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) <u>\$690.00</u>
Total Claims (37 CFR 1.16(c))	28 - 20 = 8	\$ 18.00	\$144.00
Independent Claims (37 CFR 1.16(b))	2 - 3 = 0	\$ 78.00	
Multiple dependent claim(s), if any (37 CFR 1.16(d))			

☐ Amendment cancelling extra claims is enclosed.

☐ Amendment deleting multiple-dependencies is enclosed.

☐ Fee for extra claims is not being paid at this time.

Filing Fee Calculation

\$834.00

8. Small Entity Statement(s)

☒ Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached.

☐ Status as a small entity was claimed in prior application _____, filed on _____ from which benefit is being claimed for this application under:

35 U.S.C. ☐ 119(e),

☐ 120,

☐ 121,

☐ 365(c),

and which status as a small entity is still proper and desired.

☐ A copy of the verified statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above)

\$ 417.00

9. Fee Payment Being Made at This Time

☐ Not Enclosed

☐ No filing fee is to be paid at this time.

(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)

☒ Enclosed

☒ Basic filing fee

\$ 417.00

☐ Recording assignment

(\$40.00; 37 C.F.R. 1.21(h))

(See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)

\$ _____

Total fees enclosed

\$ 417.00

10. **Method of Payment of Fees**

☒ Check in the amount of \$ 417.00

☐ Charge Account No. 19-0079 in the amount of \$ _____
A duplicate of this transmittal is attached.

11. **Authorization to Charge Additional Fees**

☒ The Commissioner is hereby authorized to charge the following additional fees during the entire pendency of this application to Account No. 19-0079.

☒ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)

☒ 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

☐ 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☐ 37 C.F.R. 1.17 (application processing fees)

☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

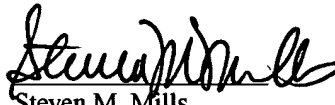
12. **Instructions as to Overpayment**

☒ Credit Account No. 19-0079

☐ Refund

Date: July 6, 2010
Samuels, Gauthier & Stevens, LLP
225 Franklin Street, Suite 3300
Boston, MA 02110
Telephone: (617) 426-9180, Ext. 149
Facsimile: (617) 426-2275

Respectfully submitted,


Steven M. Mills
Registration Number 36,610
Attorney for Applicants

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ross W. Callon, *et al.*
Filing Date: July 5, 2000
Title: APPARATUS AND METHOD FOR EFFICIENT HASHING IN NETWORKS

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

"Express Mail" Mailing Label Number EL584588998US I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.

July 6, 2000
Date

Vanessa Marakas
Vanessa Marakas

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, DC 20231

TRANSMITTAL LETTER

Sir:

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

1. New Application Transmittal;
2. New Patent Application;
3. Unexecuted Declaration, Petition and Power of Attorney;
4. Two (2) Sheets of Informal Drawings;
5. Check in the amount of \$417 to cover filing fee;
6. Unexecuted Verified Statement Claiming Small Entity Status; and
7. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 19-0079. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Date: July 6, 2000
Samuels, Gauthier & Stevens, LLP
225 Franklin Street, Suite 3300
Boston, MA 02110
Telephone: (617) 426-9180, Ext. 149
Facsimile: (617) 426-2275
K:\IronBridge\5203\transapp.wpd

Steven M. Mills
Steven M. Mills
Registration Number 36,610
Attorney for Applicants

0099070 87207960

Applicant or Patentee: Ross W. Callon et al. Attorney's
Serial or Patent Number: N/A Docket No: IBN.5203
Filed or Issued: Filed here
For: Apparatus and Method for Efficient Hashing in Networks

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9 (f) and 1.27 (b)) -- SMALL BUSINESS CONCERN**

I hereby declare that I am

- ☐ the owner of the small business concern identified below:
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN IronBridge Networks, Inc.

ADDRESS OF CONCERN 55 Hayden Avenue, Lexington, Massachusetts 02173

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled:

Apparatus and Method for Efficient Hashing in Networks

Ross W. Callon et al. by inventor(s)
described in

- ☒ the specification filed herewith
☐ application serial no. _____, filed _____
☐ patent no. _____, issued _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9 (d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME NONE

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Kathleen Huber

TITLE OF PERSON OTHER THAN THE OWNER Vice President

ADDRESS OF PERSON SIGNING 55 Hayden Avenue, Lexington, Massachusetts, 02173

SIGNATURE _____

DATE _____